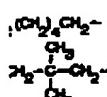
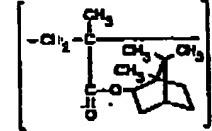
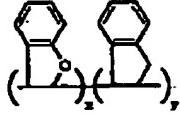
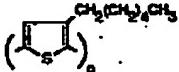


#### **Polyhexyl**

1de) alcohol, $\text{H}_2\text{O}$ bp 119° $n\text{D}^20$ 1.3160	5mL 25mL	15.90 43.00
1de) alcohol, $\text{H}_2(\text{OCH}_2\text{CH}_2)_2\text{OPO}_3\text{H}_2$	5mL 25mL	15.90 43.00
1de) monoalkylamide $\delta^\circ$ d 1.700	5g 25g	15.90 43.00
1de)	5mL 25mL	15.90 43.00
1de) monocarboxylic 3000 d 1.770 Fp none	5mL 25mL	15.80 43.00
$[\text{C}(\text{CH}_3)_2\text{CO}]_n$	250g 1kg	19.30 53.70
14,200. Tm 55-65°	100mL 250mL	17.00 34.00
$\delta^\circ$ d 1.080		
00 cps		
$[\text{C}(\text{CH}_3)_2\text{CO}]_n$	100g 250g	17.00 34.00
$\delta^\circ$ d 1.080		
0-8,000 cps		
d 1.140	100mL 250mL	17.70 32.10
BYMATOR		
Ion 6/12 page 1240		
1 6/9 page 1240		
1-6] $n\text{D}^20$ 1.5340 d 1.100	250mL	20.30
10 page 1240		
forms	100g 250g	17.00 34.00
160°C/2.16kg, DIN		
dia 20:30. Tg -65°, Tm		
14-14-6] mp 30° —	250g 1kg	21.30 58.80
lity 2.0. Tm (DSC,		
zr-ed[pic acid] diol ..	250mL	20.50
(110°C)	1L	58.50
onality 2.1		
( $\text{C}_2\text{H}_5\text{CH}_2$ ) <sub>2</sub> , $n\text{D}^20$ 1.4810..	25g	101.90
AVOCADO M. CR.		

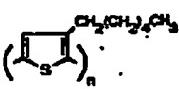


- |          |   |      |        |
|----------|---|------|--------|
| 44,570-3 | Poly(3-hexylnitrophenole-2,5-diy1), regioregular [104934-50-1] mp 235°. For the characterization and solid-state properties of this polymer, see J. Am. Chem. Soc. 1994, 117, 233. Solid. Greater than 98.5% head-to-tail regiospecific conformation. Average M <sub>n</sub> ca. 67,000.  | 19   | 228.35 |
| 51,082-3 | Product of Rieke® Metals, Inc.<br>Poly(3-hexylnitrophenole-2,5-diy1), regiorandom [104934-50-1]. For solid state properties see J. Am. Chem. Soc. 1994, 117, 233. Red solid. Conducting polymer. 1:1 (head-to-head):(head-to-tail) linkages of regiosomers.   | 19   | 228.35 |
| 49,709-6 | Product of Rieke® Metals, Inc.<br>Poly(4-hydroxybenzoic acid-co-ethyleneterephthalate) [125300-07-4]. 1-[OC <sub>2</sub> H <sub>4</sub> CO <sub>2</sub> ]X-OCH <sub>2</sub> CH <sub>2</sub> OCC <sub>6</sub> H <sub>4</sub> -4-COO <sub>2</sub> Y]. Liquid crystalline copolymer.   | 100g | 20.00  |
| 43,234-3 | Liquid crystal random thermoplastic copolymer. Average M <sub>w</sub> >20,000. Reinforced with ca. 15% glass fiber.   | 100g | 21.10  |
| 38,350-2 | Poly(3-hydroxybutyric acid), natural origin [26063-00-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )O-] <sub>n</sub> . R&S 1(2), 3163D. T <sub>g</sub> 172°C (DSC). Biodegradable polymer.   | 10g  | 41.10  |
| 40,210-5 | Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [80781-31-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )O-] <sub>n</sub> -COCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )O-]. T <sub>g</sub> 84.5°C (<0.1 CHCl <sub>3</sub> ). R&S 1(2), 3163E. PHV content 5 wt. %. Produced via a controlled fermentation process using microorganisms. Biodegradable polymer.         | 10g  | 32.40  |
| 40,311-3 | [80781-31-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )O-] <sub>n</sub> -COCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )O-]. PHV content 8 wt. %. Produced via a controlled fermentation process using microorganisms. Biodegradable polymer.  | 10g  | 32.40  |
| 40,312-1 | Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [80781-31-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )O-] <sub>n</sub> -COCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )O-]. PHV content 12 wt. %. Produced via a controlled fermentation process using microorganisms. Biodegradable polymer.  | 10g  | 32.40  |
| 19,206-6 | Poly(2-hydroxyethyl methacrylate) [25249-16-5] -CH <sub>2</sub> C(CH <sub>3</sub> )(CO <sub>2</sub> CH <sub>2</sub> OH)-. d 1.15 FT/IR 1(2), 11940 R&S 1(2), 3167F. Crystals. Average M <sub>n</sub> ca. 300,000.   | 19   | 13.20  |
| 18,213-3 | Poly(2-hydroxypropyl methacrylate) [25703-79-1]. ★ (-CH <sub>2</sub> C(CH <sub>3</sub> )(CO <sub>2</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub> )-) <sub>n</sub> . FT/IR 1(2), 11800 Safety 2,2677A R&S 1(2), 3165K. ★ Crystals.   | 10g  | 57.00  |
|          | ★ Poly(4-hydroxystyrene), see Poly(4-vinylphenol)   | 25g  | 113.80 |
| 44,568-8 | Poly(indene-co-coumarone) [33343-70-5] d 1.140 Fp >230°F(110°C). ★ Flakes. Average M <sub>n</sub> ca. 735. 10 wt. % coumarone.  | 1kg  | 68.40  |
| 44,568-6 | Poly(indene-co-coumarone) [33343-70-5]. ★ Flakes. Average M <sub>n</sub> ca. 1,090. 10 wt. % coumarone.   | 1kg  | 134.20 |
| 19,195-7 | Poly(isobornyl methacrylate) [64114-51-8] FT/IR 1(2), 11943 R&S 1(2), 3167E. ★ Beads. Average M <sub>n</sub> ca. 55,000 (GPC). Tg 110°. Solubility parameter 8.1.   | 10g  | 41.40  |
| 18,145-5 | Polyisobutylene [8003-27-4] [-CH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> -]. d 1.5045 d 0.920 FT/IR 1(2), 11829 Safety 2,26788 R&S 1(2), 2151N. RTECS# UD1010000. Stabilized. Stabilized with 500 ppm 2,6-di-tert-butyl-4-methylphenol. Average M <sub>n</sub> ca. 420,000. M <sub>w</sub> ca. 500,000. M <sub>z</sub> ca. 200,000 (GPC/MALLS). Tg 76°. Tm 15°. Solubility parameter 7.7. | 100g | 46.31  |
| 18,146-3 | Polyisobutylene [8003-27-4] [-CH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> -]. ★ Stabilized with 500 ppm 2,6-di-tert-butyl-4-methylphenol. Average M <sub>n</sub> ca. 1,200,000. M <sub>w</sub> ca. 1,000,000. M <sub>z</sub> ca. 600,000 (GPC/MALLS).  | 100g | 74.59  |

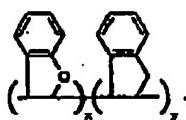


## ■ Polyhexylt ■

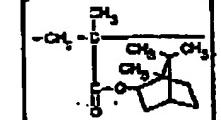
			S		\$	
(a) alcohol, 3H bp 118° nD 1.3160	5mL 25mL	15.90 43.00				
(a) alcohol, $(\text{OCH}_2\text{CH}_2)_2\text{CPO}_2\text{H}_2$	5mL 25mL	15.90 43.00				
(a) monalkylamide d 1.700	5g 25g	15.90 43.00				
(a)	5mL 25mL	15.90 43.00				
(a) monocarboxylic 100 d 1.770 Fp none	5mL 25mL	16.00 43.00				
$(\text{CH}_2)_2\text{CO}_2$ , 1200. Tm 55-65° ° d 1.090	250g 1kg 100mL 250mL	19.20 53.70 17.00 34.00				
1cps ° d 1.030	100g 250g	17.00 34.00				
8,000 cps 11.140 IV/MATOR	100mL 250mL	17.70 32.10				
	100mL 250mL	17.70 32.10				
	100mL 250mL	17.70 32.10				
a 6/12 page 1240 e/g page 1240 1.5340 d 1.100	250mL	20.30				
1 page 1240 HMS	100g 250g	17.00 34.00				
10PC/2.16g DIN ° 20.80. Tg -65°, Tm 4-14-6) mp 33°	250g 1kg	21.20 58.00				
y 2.0. Tm (DSC,						
10dicarboxylic acid) diol 110°C nD 1.4810 USE LIQUID TOXIC Average M <sub>w</sub> ca.	250mL 1L	20.50 58.50				
(a) $\text{C}_6\text{H}_5\text{CH}_2$ , nD 1.4810 USE LIQUID TOXIC Average M <sub>w</sub> ca.	25g	101.90				
<chem>CC(C)(C)C</chem>						
44,570-3 Poly(3-hexylthiophene-2,5-diy), regioregular [104934-60-1] mp 239° For the characterization and solid-state properties of this polymer, see J. Am. Chem. Soc. 1984, 107, 233. Solid. Greater than 98.5% head-to-tail regiospecific conformation. Average M <sub>w</sub> ca. 87,900. Product of Fluka® Mettler, Inc.			1g	229.35		
51,082-3 Poly(3-hydroxythiophene-2,5-diy), regioregular [104934-60-1] For solid state properties see J. Am. Chem. Soc. 1984, 107, 233. Red solid. Conducting polymer. 1:1 (head-to-head):(head-to-tail) linkages of regiosomers. Product of Fluka® Mettler, Inc.			1g	229.35		
48,703-6 Poly(4-hydroxybenzoic acid-co-ethylene terephthalate) [125300-07-4] / $\text{OC}_6\text{H}_4\text{CO}-\text{CH}_2\text{CH}_2\text{O}_2\text{C}_6\text{H}_4-\text{CO}-$ / Liquid crystalline copolyester			100g	20.00		
43,234-3 Poly(4-hydroxybenzoic acid-co-6-hydroxy-2-naphthoic acid) [70679-62-4] / $\text{OC}_6\text{H}_4\text{CO}-\text{CH}_2\text{CH}_2\text{O}_2\text{C}_6\text{H}_4-\text{CO}-$ /, mp 220° d 1.500 Liquid crystal random thermoplastic copolymer. Average M <sub>w</sub> ca. 20,000. Reinforced with ca. 15% glass fiber			100g	21.10 500g	70.20	
36,350-2 Poly(3-hydroxybutyric acid), natural origin [26063-00-3] [ $\text{C}_3\text{COCH}_2\text{CH}(\text{CH}_2)\text{CO}_2$ ] RAS 1(2), 3163D Tg 172°C (DSC). Biodegradable polymer			10g	41.10 100g	265.40	
40,310-5 Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [80181-31-3] [ $\text{C}_3\text{COCH}_2\text{CH}(\text{CH}_2)\text{CO}_2-\text{CH}_2\text{COCH}_2\text{CH}(\text{C}_2\text{H}_5)\text{CO}_2$ ] [33-45° (ca. 1, 1-Cl <sub>2</sub> ) RAS 1(2), 3163E PHV content 5 wt. % Produced via a controlled fermentation process using microorganisms. Biodegradable polymer			10g	32.40 100g	207.80	
40,311-3 Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [80181-31-3] [ $\text{C}_3\text{COCH}_2\text{CH}(\text{CH}_2)\text{CO}_2-\text{CH}_2\text{COCH}_2\text{CH}(\text{C}_2\text{H}_5)\text{CO}_2$ ] PHV content 8 wt. % Produced via a controlled fermentation process using microorganisms. Biodegradable polymer			10g	32.40 100g	207.80	
40,312-1 Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [80181-31-3] [ $\text{C}_3\text{COCH}_2\text{CH}(\text{CH}_2)\text{CO}_2-\text{CH}_2\text{COCH}_2\text{CH}(\text{C}_2\text{H}_5)\text{CO}_2$ ] PHV content 12 wt. % Produced via a controlled fermentation process using microorganisms. Biodegradable polymer			10g	32.40 100g	207.80	
18,206-6 Poly(3-hydroxyethyl methacrylate) [25249-18-5] [ $\text{CH}_2\text{C}(\text{CH}_3)(\text{CO}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH})$ ] d 1.160 FT/IR 1(2), 1194C RAS 1(2), 3167F Crystals. Average M <sub>w</sub> ca. 300,000			1g	13.20 10g	57.00 250g	113.80
18,213-3 Poly(2-hydroxypropyl methacrylate) [25743-79-1] / $\text{CH}_2\text{C}(\text{CH}_3)(\text{CO}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH})$ / FT/IR 1(2), 1190C Safety 2,2877A RAS 1(2), 3165K Crystals			10g	68.40 250g	134.20	
44,660-6 Poly(indene-co-coumarone) [35343-70-6] d 1.140 Fp >230°F (110°C) Fluka. Average M <sub>w</sub> ca. 735, 10 wt. % coumarone			1kg	18.50 1kg	41.40	
44,663-6 Poly(indene-co-coumarone) [35343-70-6] Fluka. Average M <sub>w</sub> ca. 1,090, 10 wt. % coumarone			1kg	18.50 3kg	41.40	
18,185-7 Poly(isobornyl methacrylate) [64114-51-8] FT/IR 1(2), 1194B RAS 1(2), 3171E Beads. Average M <sub>w</sub> ca. 554,000 (GPC). Tg 110°. Solubility parameter 8.1			10g	42.60		
18,145-5 Polyisobutylene [8003-27-4] [ $\text{CH}_2\text{C}(\text{CH}_3)_2$ ] nD 1.5045 d 0.921 FT/IR 1(2), 1162B Safety 2,2276B RAS 1(2), 3151N RTECS UD1010000 Stabiflunk. Stabilized with 500 ppm 2,6-di-tert-butyl-4-methylphenol. Average M <sub>w</sub> ca. 420,000. M <sub>w</sub> ca. 500,000. M <sub>n</sub> ca. 200,000 (GPC/MALLS). Tg -76°. Tm 1.5°. Solubility parameter 7.7			100g	48.30 250g	80.70	
18,146-3 Polyisobutylene [8003-27-4] [ $\text{CH}_2\text{C}(\text{CH}_3)_2$ ] Stabiflunk. Stabilized with 500 ppm 2,6-di-tert-butyl-4-methylphenol. Average M <sub>w</sub> ca. 1,200,000. M <sub>w</sub> ca. 1,000,000. M <sub>n</sub> ca. 600,000 (GPC/MALLS)			100g	41.40 250g	74.60	



44,570-3



44,663-6

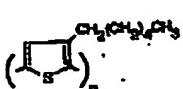


18,185-7



i) alcohol, $\text{CH}_3(\text{CH}_2)_2\text{OPO}_3\text{H}_2$	5mL	\$15.90
	25mL	43.00
ii) alcohol, $\text{CH}_3(\text{CH}_2)_2\text{OPO}_3\text{H}_2$	5mL	\$15.90
	25mL	43.00
iii) monosikylamide d 1.700	5g	\$15.90
	25g	43.00
iv)	5mL	\$15.90
	25mL	43.00
v) monocarboxylic ID d 1.770 Fp none	5mL	\$15.90
	25mL	43.00
$(\text{CH}_2)_2\text{CO}-\text{I}$	250g	19.50
200. Tm 55-65°	1kg	53.70
	100mL	17.00
d 1.030	250mL	34.00
cpo	100g	17.00
d 1.030	250g	34.00
8,000 cpo	100mL	17.70
1.140	250mL	32.10
TMATOR	100mL	17.70
	250mL	32.10
	100mL	17.70
	250mL	32.10
n 6/12 page 1240	100mL	17.70
8/9 page 1240	250mL	32.10
6)	250mL	20.30
1.5340 d 1.100		
i) page 1240		
ime	100g	17.00
	250g	34.00
10°C/216kg, DIN d 20:80. Tg -65°, Tm		
4-14-6) mp 33°	250g	21.50
	1kg	58.80
ly 2.0. Tm (DSC,		
It-dipole acid) diol	250mL	20.50
110°C)	1L	58.50
reality 2.1		
$\text{CH}_3(\text{CH}_2)_n$ , d 1.4810 - 4/8/L LIQUID TOXIC	25g	101.90
Average M <sub>w</sub> ca.		
$(\text{CH}_2)_2\text{CH}_2-$		
$\text{CH}_3-$		
$\text{H}_2-\text{C}(\text{CH}_3)_2-$		
$\text{CH}_3$		

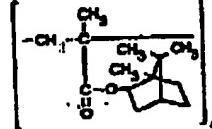
<b>Polyhexylit</b>		
44,570-3	Poly(3-hydroxythiophene-2,5-diy), regioregular [104934-50-1] mp 238° For the characterization and solid-state properties of this polymer, see J. Am. Chem. Soc. 1994, 117, 233. Solid. Greater than 98.5% head-to-tail regiospecific conformation. Average M <sub>w</sub> ca. 87,000. Product of Ritek® Metals, Inc.	1g \$229.35
51,082-3	Poly(3-hydroxythiophene-2,5-diy), regioregular [104934-50-1] For solid state properties see J. Am. Chem. Soc. 1994, 117, 233. Rod solid. Conducting polymer. 1:1 (head-to-head):(head-to-tail) mixture of regisomers. Product of Ritek® Metals, Inc.	1g \$229.35
43,708-6	Poly(4-hydroxybenzoic acid-co-ethylene terephthalate) [125300-07-4] [OC <sub>6</sub> H <sub>4</sub> CO]-[OCH <sub>2</sub> CH <sub>2</sub> O-CO <sub>2</sub> H]-[CO <sub>2</sub> H] Liquid crystalline copolymer	100g 20.00
43,234-2	Poly(4-hydroxybenzoic acid-co-6-hydroxy-2-naphthoic acid) [70579-92-1] [OC <sub>6</sub> H <sub>4</sub> CO]-[OC <sub>10</sub> H <sub>6</sub> CO <sub>2</sub> H], mp 230° d 1.500 Liquid crystal random thermoplastic copolymer. Average M <sub>w</sub> ca. 20,000. Reinforced with ca. 15% glass fiber	100g 21.10 500g 70.20
36,350-2	Poly(3-hydroxybutyric acid), natural origin [26063-00-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )COOH] RAS 1(2), 3163E Tg 172°C (DSC). Biodegradable polymer	10g 41.10 100g 265.40
40,310-5	Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [60181-31-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )COOH]-[-COCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )COOH] Tg 151-152°C (DSC). PHV content 5 wt. % Produced via a controlled fermentation process using microorganisms. Biodegradable polymer	10g 32.40 100g 207.80
40,311-3	Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [60181-31-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )COOH]-[-COCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )COOH] PHV content 5 wt. % Produced via a controlled fermentation process using microorganisms. Biodegradable polymer	10g 32.40 100g 207.80
40,312-1	Poly(3-hydroxybutyric acid-co-3-hydroxyvaleric acid), natural origin [60181-31-3] [-COCH <sub>2</sub> CH(CH <sub>3</sub> )COOH]-[-COCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )COOH] PHV content 12 wt. % Produced via a controlled fermentation process using microorganisms. Biodegradable polymer	10g 32.40 100g 207.80
19,209-6	Poly(2-hydroxyethyl methacrylate) [25249-16-5] [-CH <sub>2</sub> C(CH <sub>3</sub> )(CO <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH)] d 1.150 FT/IR 1(2), 1194C-RAS 1(2), 3163E Crystall. Average M <sub>w</sub> ca. 300,000	1g 13.20 10g 57.00 25g 113.80
18,213-3	Poly(2-hydroxypropyl methacrylate) [25270-79-1] [-CH <sub>2</sub> C(CH <sub>3</sub> )(CO <sub>2</sub> CH <sub>2</sub> CH(OH)CH <sub>3</sub> )] FT/IR 1(2), 1190C Safety 2,2877A RAS 1(2), 3163K Crystall.	10g 68.40 25g 134.20
44,668-6	Poly(indene-co-coumarone) [35343-70-5] d 1.140 Fp >230°F(110°C) Plate. Average M <sub>w</sub> ca. 735. 10 wt. % coumarone	1kg 18.50 2kg 41.40
51,151	Poly(indene-co-coumarone) [35343-70-5]	1kg 18.50
44,669-6	Poly(indene-co-coumarone) [35343-70-5] Plate. Average M <sub>w</sub> ca. 1,090. 10 wt. % coumarone	3kg 41.40
19,185-7	Poly(isobornyl methacrylate) [64114-57-8] FT/IR 1(2), 1194B RAS 1(2), 3163E Beads. Average M <sub>w</sub> ca. 554,000 (GPC). Tg 75°. Solubility parameter 8.1.	10g 42.60
18,145-5	Polyisobutylene [8003-27-4] [-CH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> -] Star 2,2878B RAS 1(2), 3163M-RTECS 001010000 Stab/chunk. Stabilized with 500 ppm 2,6-di-tert-butyl-4-methylphenol. Average M <sub>w</sub> ca. 420,000, M <sub>n</sub> ca. 500,000, M <sub>w</sub> ca. 200,000 (GPC/MALLS). Tg -75°. Tm 1.5°. Solubility parameter 7.7.	100g 48.90 250g 80.70
18,146-3	Polyisobutylene [8003-27-4] [-CH <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> -] Stab/chunk. Stabilized with 500 ppm 2,6-di-tert-butyl-4-methylphenol. Average M <sub>w</sub> ca. 1,200,000, M <sub>n</sub> ca. 1,000,000, M <sub>w</sub> ca. 600,000 (GPC/MALLS)	100g 41.40 250g 74.60



44,570-3



44,668-6



19,185-7

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